

What is claimed is:

1. An information processing apparatus for downloading software into one of a first storage area and a second storage area, comprising:

selecting means for selecting one of said first storage area and said second storage area into which said software is to be downloaded;

first calculating means for calculating a first calculation value indicative of an error of said software;

second calculating means for calculating a second calculation value indicative of an error on the basis of said first calculation value; and

determining means for determining whether said information processing apparatus has normally ended.

2. The information processing apparatus according to claim 1, further comprising a third storage area,

wherein said first calculating means copies the downloaded software into said third storage area.

3. The information processing apparatus according to claim 1, wherein said software is downloaded in a predetermined unit of files,

said first calculating means calculates an error for each of said files as said first calculation value,

and

said second calculating means calculates a calculation value indicative of an error on the basis of predetermined number of said first calculation values as said second calculation value.

4. The information processing apparatus according to claim 1, wherein said determining means comprising:

verifying means for verifying whether the shutdown of said information processing apparatus has ended; and

setting means for setting predetermined information indicative of normal end of the shutdown of said information processing apparatus.

5. The information processing apparatus according to claim 1, further comprising:

first comparing means for comparing a second calculation value of said information processing apparatus with a second calculation value of one of a server and a removable medium; and

second comparing means for comparing a first calculation value of said information processing apparatus with a first calculation value of one of said server and said removable medium, if, as a result of the comparison by said first comparing means, there is a mismatch between said second calculation value of said

information processing apparatus and said second calculation value of one of said server and said removable medium.

6. The information processing apparatus according to claim 5, wherein, if there is a mismatch between said first calculation value of said information processing apparatus and said first calculation value of one of said server and said removable medium, said second comparing means downloads a file corresponding to said first calculation value.

7. The information processing apparatus according to claim 4, further comprising:

startup means for starting up said information processing apparatus by selecting one of said storage areas on the basis of said predetermined information set by said setting means.

8. The information processing apparatus according to claim 7, wherein said startup means has setting information determining means for determining the information set by said setting means which,

starts up said information processing apparatus by use of the software stored in one of said first storage area and said second storage area, if the predetermined information indicative of normal end of the shutdown of

said information processing apparatus is found set by
said setting information determining means, and

starts up said information processing apparatus by
use of the software stored in said third storage area, if
the predetermined information indicative of normal end of
the shutdown of said information processing apparatus is
found not set by said setting information determining
means.

9. An information processing method for an
information processing apparatus for downloading software
into one of a first storage area and a second storage
area, comprising the steps of:

selecting one of said first storage area and said
second storage area into which said software is to be
downloaded;

calculating a first calculation value indicative of
an error of said software;

calculating a second calculation value indicative
of an error on the basis of said first calculation value;
and

determining whether said information processing
apparatus has normally ended.

10. A program for an information processing
apparatus which downloads software into one of a first

storage area and a second storage area, said program causing a computer to execute the steps of:

selecting one of said first storage area and said second storage area into which said software is to be downloaded;

calculating a first calculation value indicative of an error of said software;

calculating a second calculation value indicative of an error on the basis of said first calculation value; and

determining whether said information processing apparatus has normally ended.

11. A recording medium storing a program for an information processing apparatus which downloads software into one of a first storage area and a second storage area, said program causing a computer to execute the steps of:

selecting one of said first storage area and said second storage area into which said software is to be downloaded;

calculating a first calculation value indicative of an error of said software;

calculating a second calculation value indicative of an error on the basis of said first calculation value;

and

determining whether said information processing
apparatus has normally ended.